

WHAT IS CLAIMED IS:

1. A camera which takes images through an image-taking optical system including a shake correction unit which drives a part of the image-taking optical system to correct image blur caused by camera shake, comprising:

an image-pickup device which photoelectrically converts an object image formed by the image-taking optical system, and

a control circuit which controls operations of the camera, wherein

the control circuit changes the sensitivity and the exposure time of the image-pickup device whether the shake correction unit is in operation or not.

2. The camera according to Claim 1, wherein

the control circuit sets the sensitivity of the image-pickup device to be lower and the exposure time of the image-pickup device to be longer when the shake correction unit is in operation than when the shake correction unit is not in operation.

3. The camera according to Claim 2, further comprising

a photometric unit which measures a luminance of the object, wherein

when the shake correction unit is in operation and the difference between a luminance of the main object obtained from the photometric unit and the luminance of a bright region other than the main object is equal to or lower than a predetermined value, the control circuit sets the sensitivity of the image-pickup device to be lower and the exposure time of the image-pickup device to be longer than when the shake correction unit is not in operation.

4. The camera according to Claim 2, wherein

when the shake correction unit is in operation and the amplitude of the shake detected by a shake detection unit which detects shake is equal to or lower than a predetermined value, the control circuit sets the sensitivity of the image-pickup device to be lower and the exposure time of the image-pickup device to be longer than when the shake correction unit is not in operation.

5. The camera according to Claim 2, further comprising

a mode setting unit which selectively sets an image-taking mode, wherein

when the shake correction unit is in operation and a predetermined image-taking mode is set by the mode setting unit, the control circuit sets the sensitivity of the image-pickup device to be lower and the exposure time of the

image-pickup device to be longer than when the shake correction unit is not in operation.

6. The camera according to Claim 3, further comprising
a determination unit which determines the main object in an image-taking region.

7. The camera according to Claim 3, wherein
when the shake correction unit is in operation, the difference between the luminance of the main object obtained by the photometric unit and the luminance of the bright region other than the main object is equal to or lower than a predetermined value, and the amplitude of the camera shake detected by a shake detection unit which detects shake is equal to or lower than a predetermined value, the control circuit sets the sensitivity of the image-pickup device to be lower and the exposure time of the image-pickup device to be longer than when the shake correction unit is not in operation.

8. The camera according to Claim 3, further comprising
a mode setting unit which selectively sets an image-taking mode, wherein

when the shake correction unit is in operation, the difference between the luminance of the main object obtained

by the photometric unit and the luminance of the bright region other than the main object is equal to or lower than a predetermined value, and a predetermined image-taking mode is set by the mode setting unit, the control circuit sets the sensitivity of the image-pickup device to be lower and the exposure time of the image-pickup device to be longer than when the shake correction unit is not in operation.

9. The camera according to Claim 8, wherein

the predetermined image-taking mode is an image-taking mode other than an image-taking mode for taking an image of a moving object and a shutter speed priority mode.

10. The camera according to Claim 8, wherein the predetermined image-taking mode includes an full-automatic image-taking mode.

11. A camera system, comprising

a camera according to Claim 1, and

a lens apparatus including a shake correction unit to be attached to the camera.